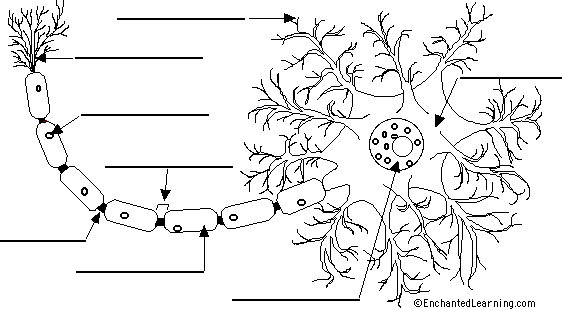
**Name:**

**Date:**

**Class:**

**Instructions- Define terms using your textbook and notes. Then label all the terms on the following diagram.**

1. **axon** -
2. **axon terminals** -
3. **cell body** -
4. **dendrites** -
5. **myelin sheath** -
6. **node of Ranvier** -
7. **nucleus** -
8. **Schwann's cells** -

[](http://www.enchantedlearning.com/label/)

**Answer Key**

**axon** - the long extension of a neuron that carries nerve impulses away from the body of the cell.

**axon terminals** - the hair-like ends of the axon

**cell body** - the cell body of the neuron; it contains the nucleus (also called the soma)

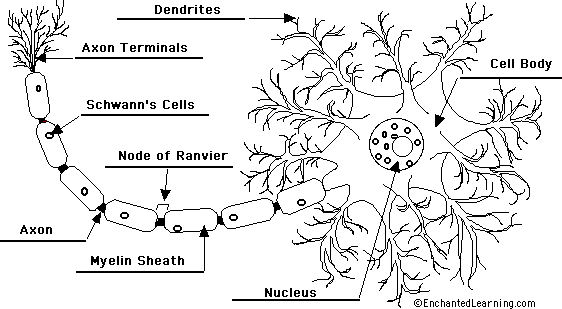
**dendrites** - the branching structure of a neuron that receives messages (attached to the cell body)

**myelin sheath** - the fatty substance that surrounds and protects some nerve fibers

**node of Ranvier** - one of the many gaps in the myelin sheath - this is where the action potential occurs during saltatory conduction along the axon

**nucleus** - the organelle in the cell body of the neuron that contains the genetic material of the cell

**Schwann's cells** - cells that produce myelin - they are located within the myelin sheath.

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